

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021120\
 Data File : VD065147.D
 Acq On : 11 Feb 2020 16:37
 Operator : VA/SY
 Sample : L1491-02
 Misc : 8.56G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 12 06:58:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

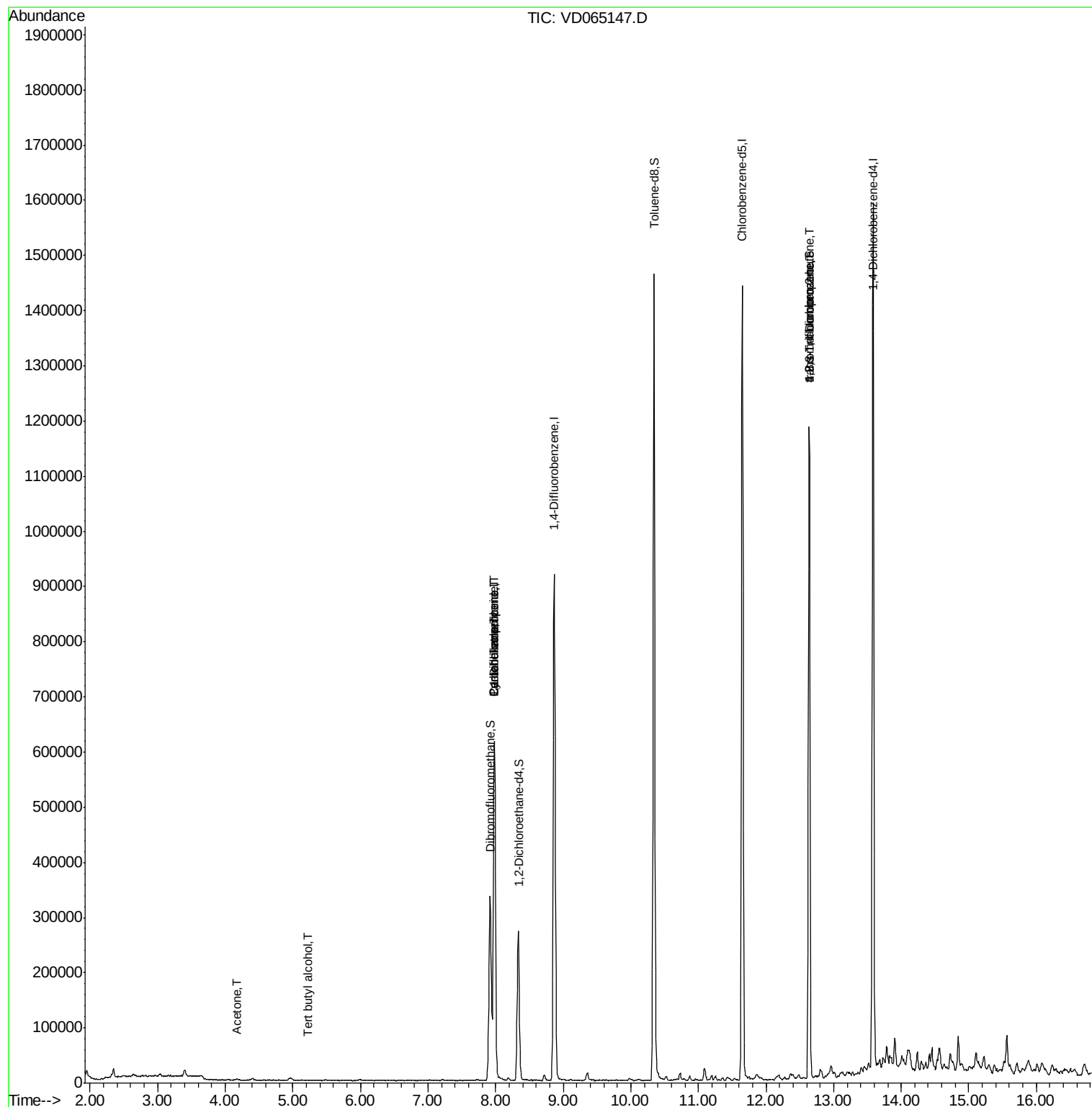
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	481164	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	793109	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	827499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	418588	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	215689	52.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.48%	
35) Dibromofluoromethane	7.91	113	240895	54.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.88%	
50) Toluene-d8	10.34	98	982707	55.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.58%	
62) 4-Bromofluorobenzene	12.64	95	370263	66.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	132.68%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.22	59	251	1.005	ug/l #	70
16) Acetone	4.16	43	3540	3.462	ug/l	90
20) Methylene Chloride	4.96	84	3165	Below Cal		94
31) Cyclohexane	7.99	56	12236	1.504	ug/l #	4
36) 1,1-Dichloropropene	7.99	75	37935	5.144	ug/l #	49
38) Carbon Tetrachloride	7.98	117	44526	5.912	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	187586	59.191	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	187586	118.378	ug/l #	10

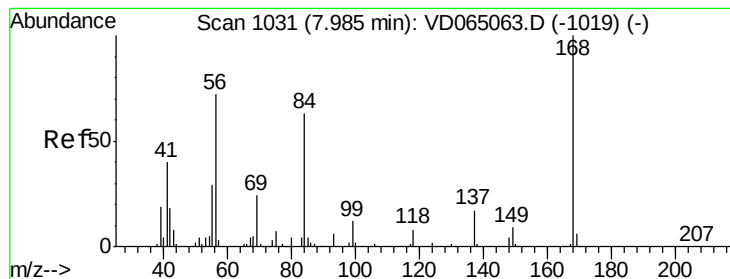
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065147.D

Acq: 11 Feb 2020 16:37

Instrument :

MSVOA_D

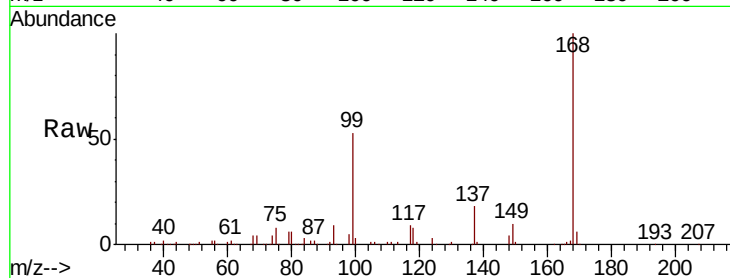
ClientSampled :

Tot Ion:168 Resp: 481164

Ion Ratio Lower Upper

168 100

99 53.2 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

250000

200000

150000

100000

50000

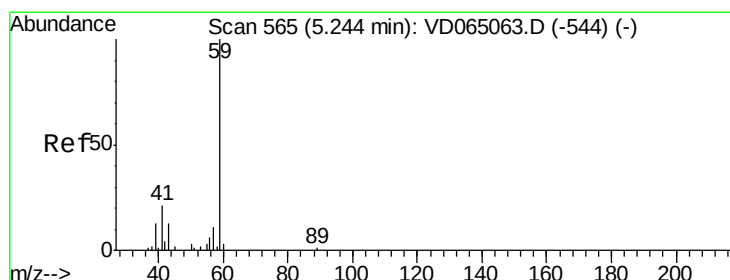
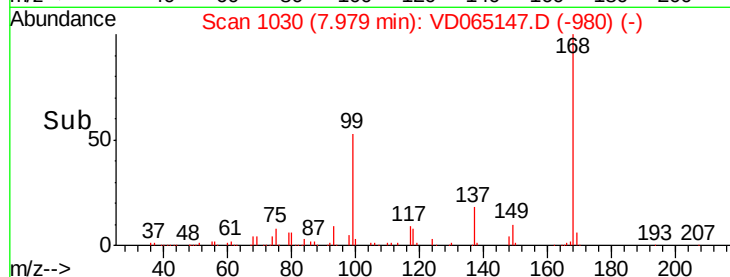
0

7.90

8.00

8.10

Time-->



#11

Tert butyl alcohol

Concen: 1.005 ug/l

RT: 5.22 min Scan# 561

Delta R.T. -0.02 min

Lab File: VD065147.D

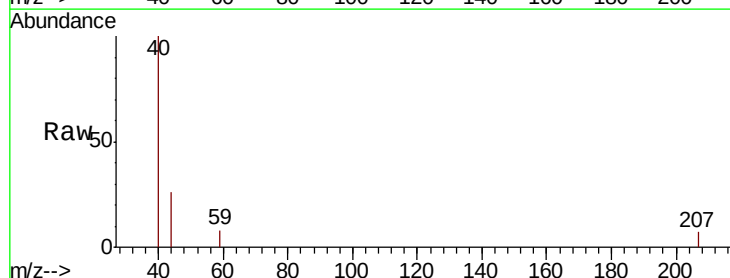
Acq: 11 Feb 2020 16:37

Tgt Ion: 59 Resp: 251

Ion Ratio Lower Upper

59 100

57 22.3 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

300

200

100

0

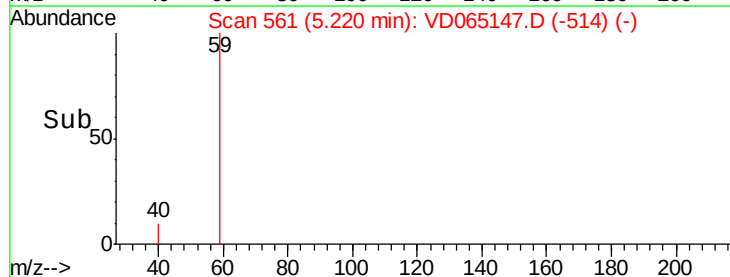
5.20

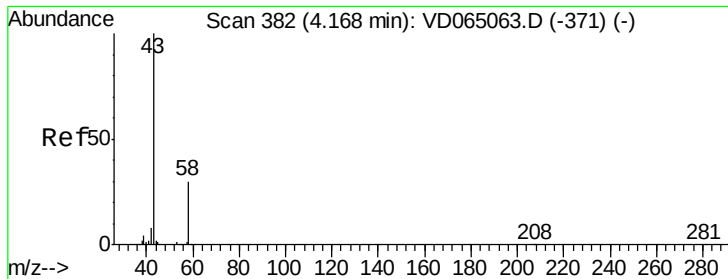
5.22

5.24

5.26

Time-->

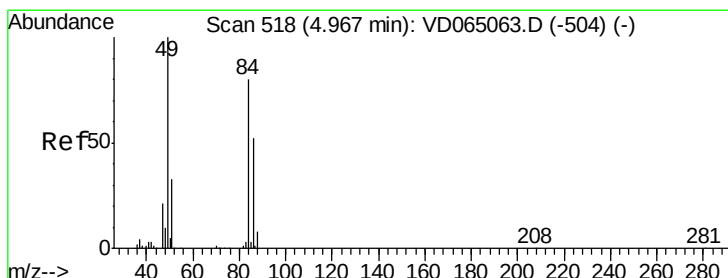
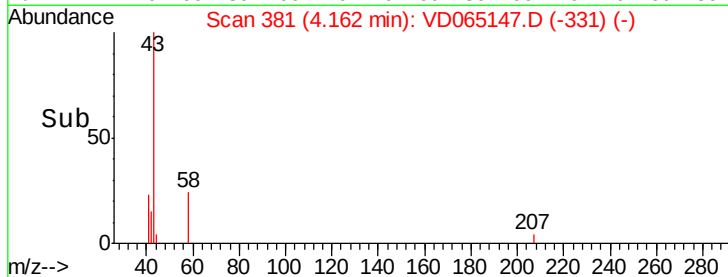
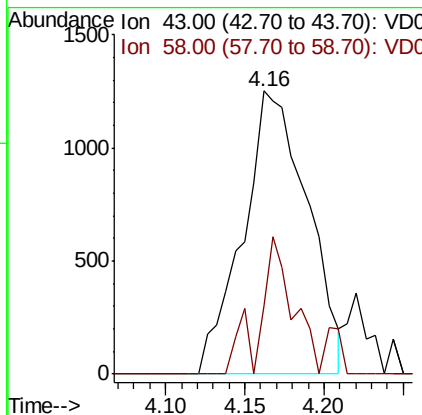
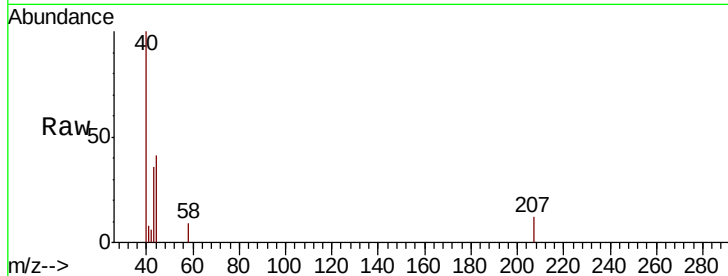




#16
Acetone
Concen: 3.462 ug/l
RT: 4.16 min Scan# 381
Delta R.T. -0.01 min
Lab File: VD065147.D
Acq: 11 Feb 2020 16:37

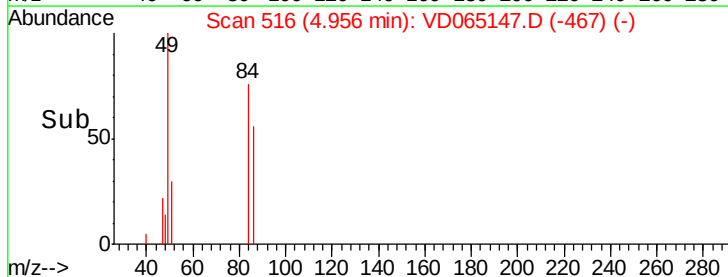
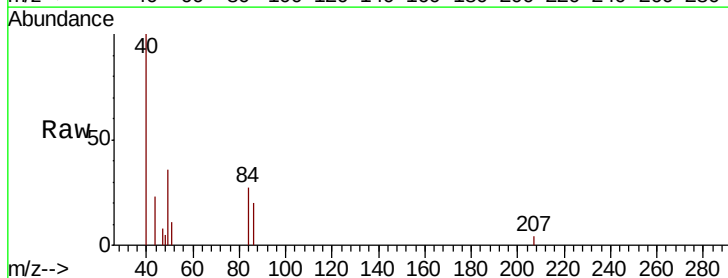
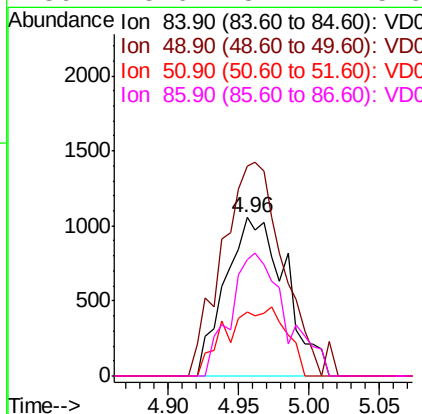
Instrument :
MSVOA_D
ClientSampleId :

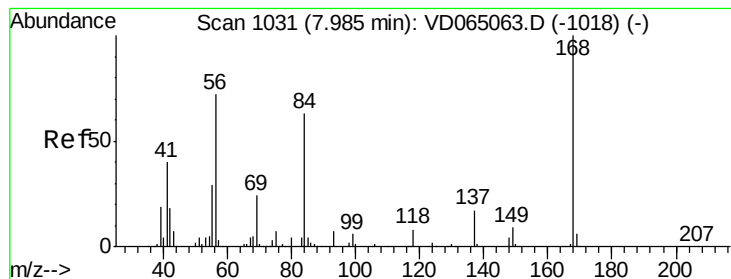
Tot Ion: 43 Resp: 3540
Ion Ratio Lower Upper
43 100
58 24.0 23.5 35.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065147.D
Acq: 11 Feb 2020 16:37

Tgt Ion: 84 Resp: 3165
Ion Ratio Lower Upper
84 100
49 132.4 100.4 150.6
51 40.2 32.7 49.1
86 73.6 52.4 78.6





#31

Cyclohexane

Concen: 1.504 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065147.D

Acq: 11 Feb 2020 16:37

Instrument :

MSVOA_D

ClientSampled :

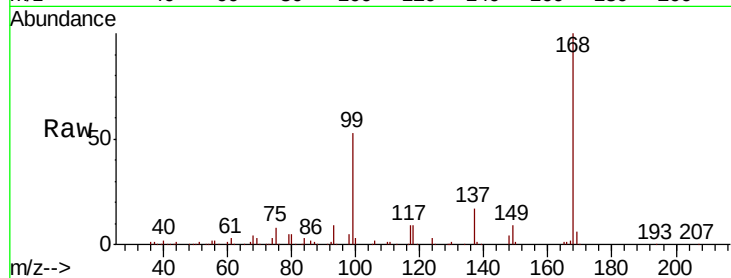
Tot Ion: 56 Resp: 12236

Ion Ratio Lower Upper

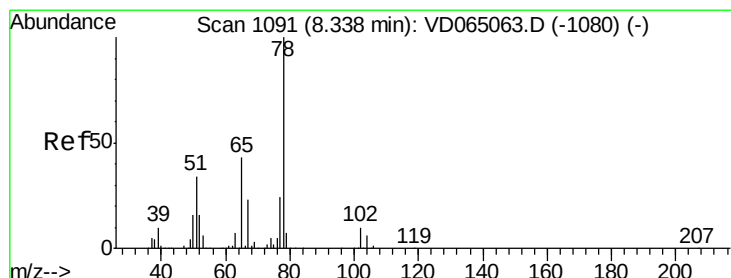
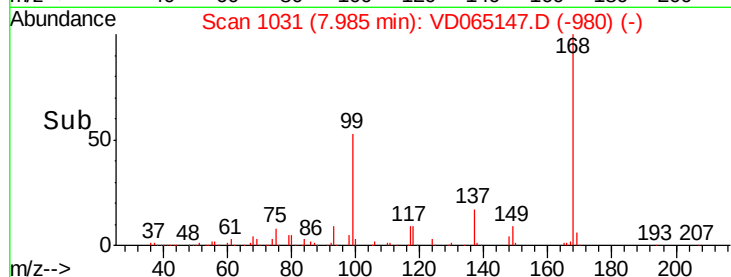
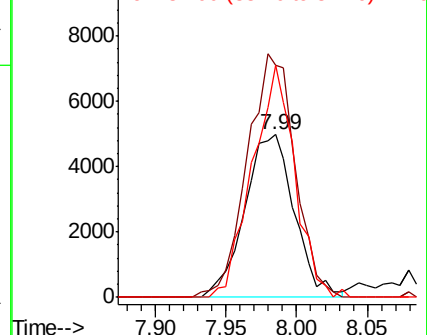
56 100

69 143.2 26.6 40.0#

84 142.8 70.6 106.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 52.742 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065147.D

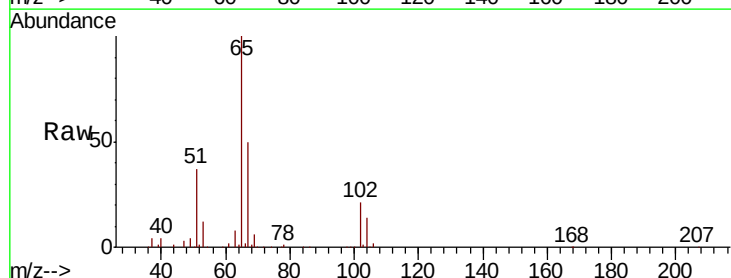
Acq: 11 Feb 2020 16:37

Tgt Ion: 65 Resp: 215689

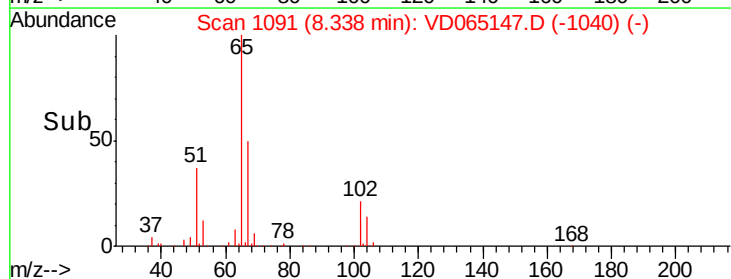
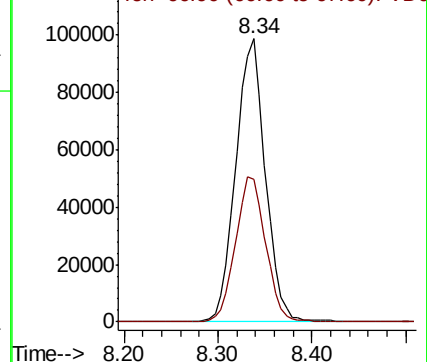
Ion Ratio Lower Upper

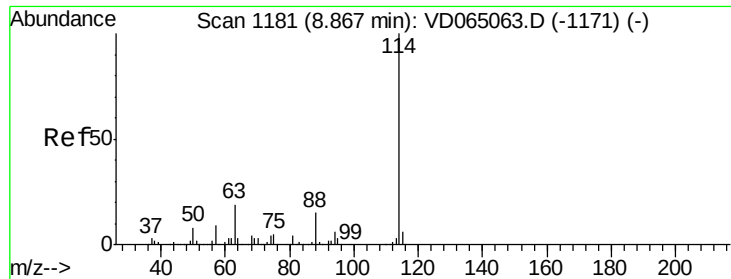
65 100

67 52.2 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

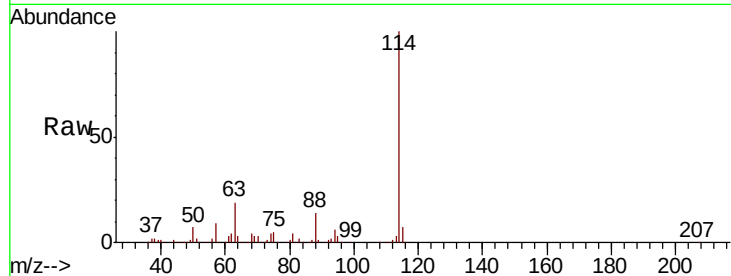




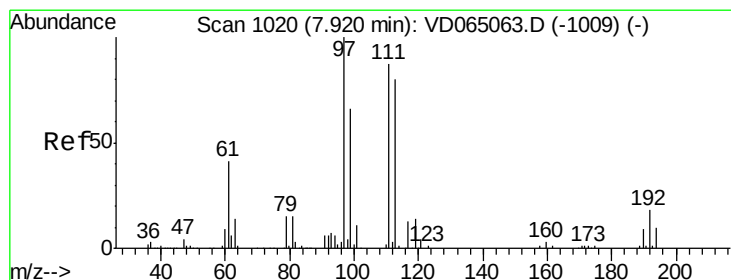
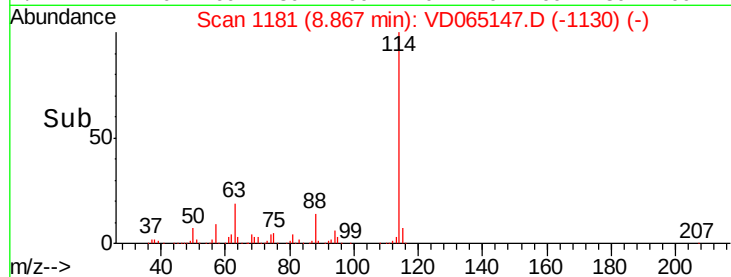
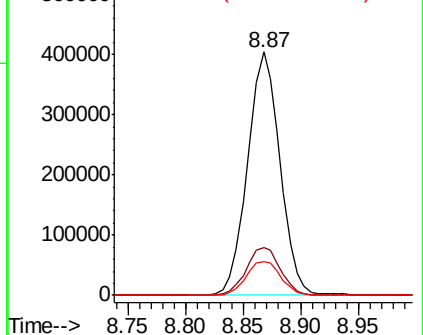
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065147.D
 Acq: 11 Feb 2020 16:37

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	38.8
88	13.7	0.0	29.6

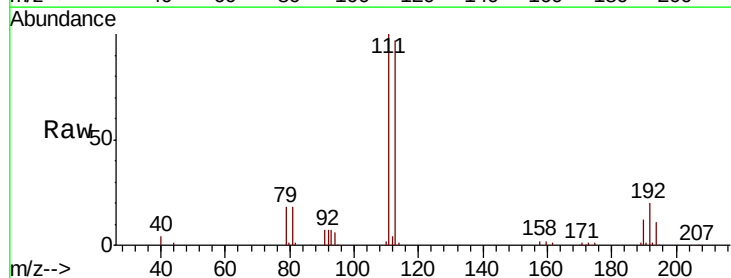


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

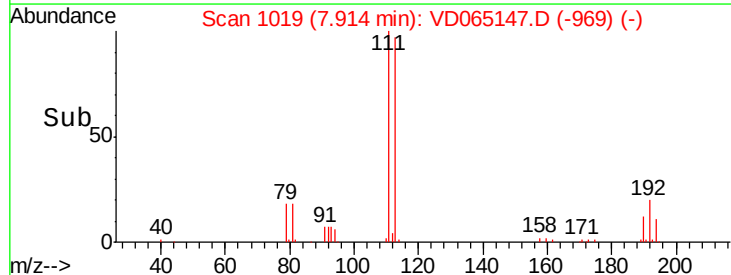
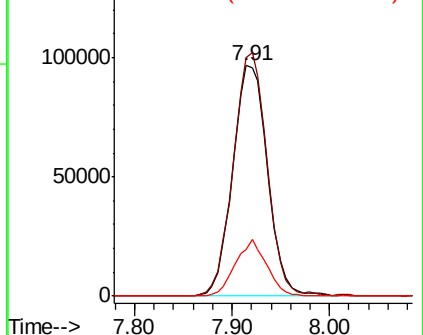


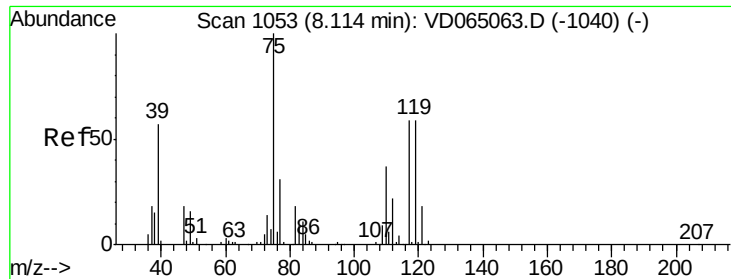
#35
 Dibromofluoromethane
 Concen: 54.439 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065147.D
 Acq: 11 Feb 2020 16:37

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.1	124.7
192	22.0	18.1	27.1



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

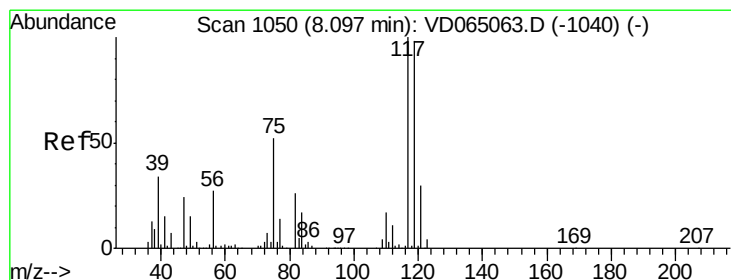
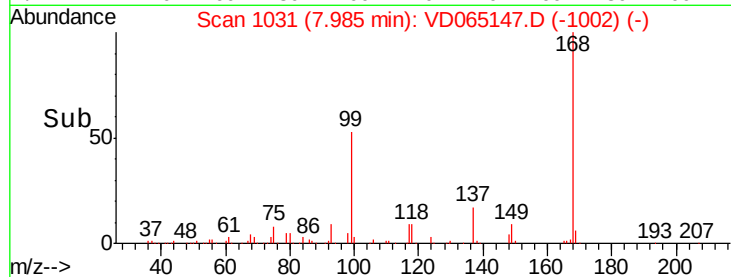
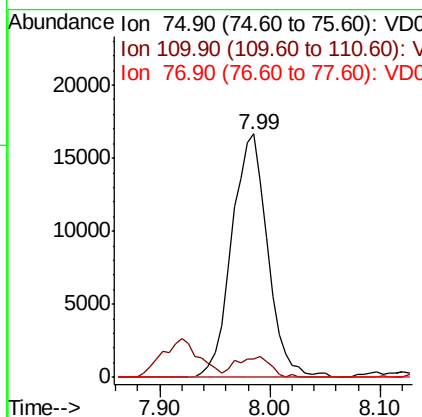
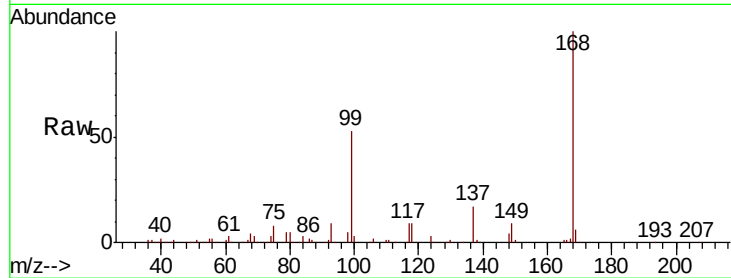




#36
 1,1-Dichloropropene
 Concen: 5.144 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065147.D
 Acq: 11 Feb 2020 16:37

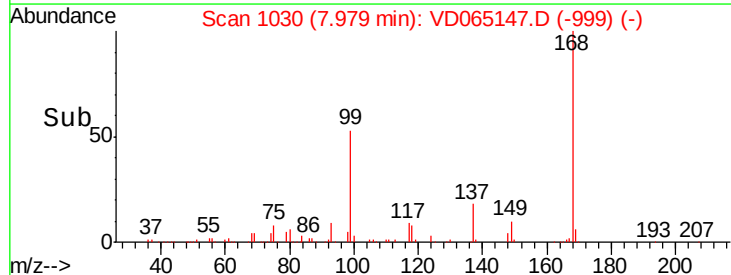
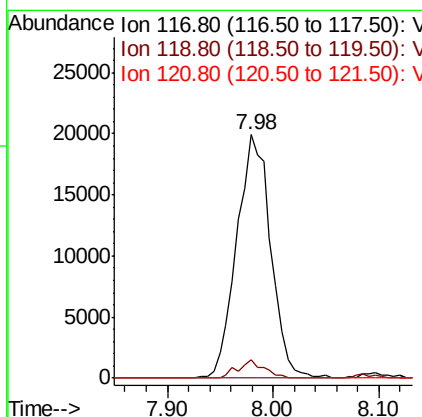
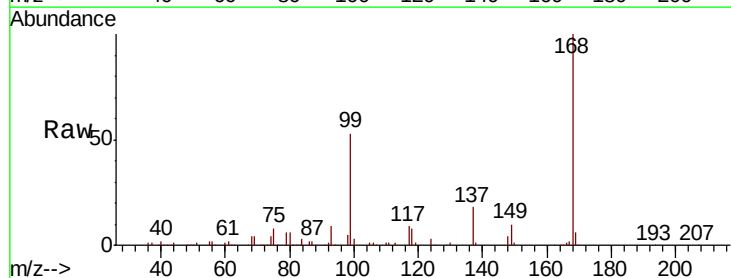
Instrument :
 MSVOA_D
 ClientSampled :

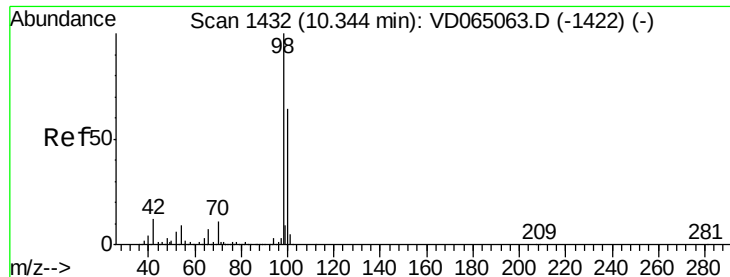
Tot Ion: 75 Resp: 37935
 Ion Ratio Lower Upper
 75 100
 110 8.3 18.1 54.3#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.912 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD065147.D
 Acq: 11 Feb 2020 16:37

Tgt Ion: 117 Resp: 44526
 Ion Ratio Lower Upper
 117 100
 119 7.3 78.5 117.7#
 121 0.0 23.8 35.6#

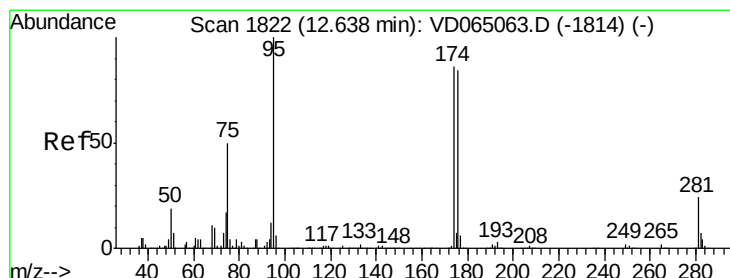
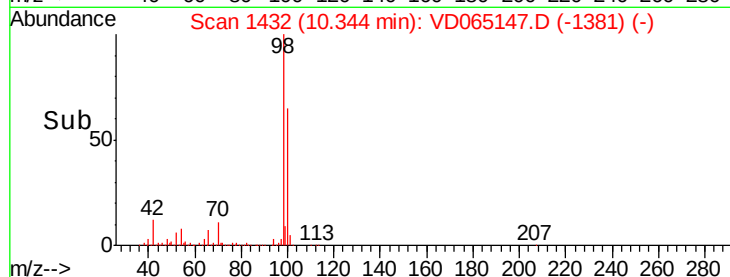
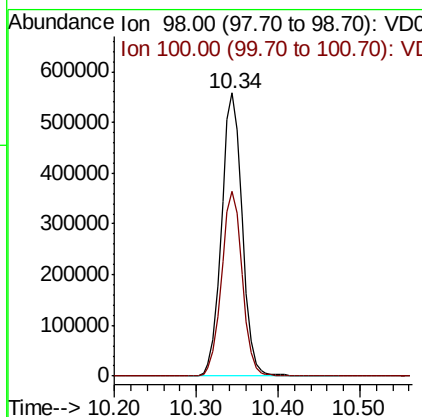
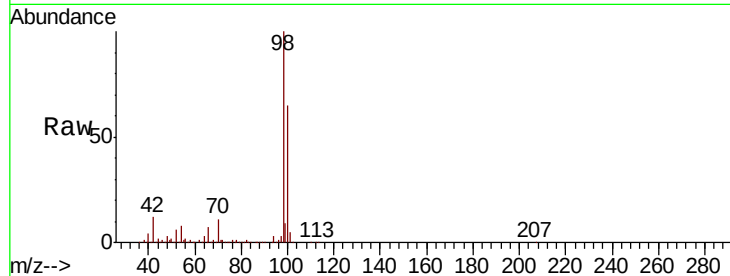




#50
Toluene-d8
Concen: 55.794 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065147.D
Acq: 11 Feb 2020 16:37

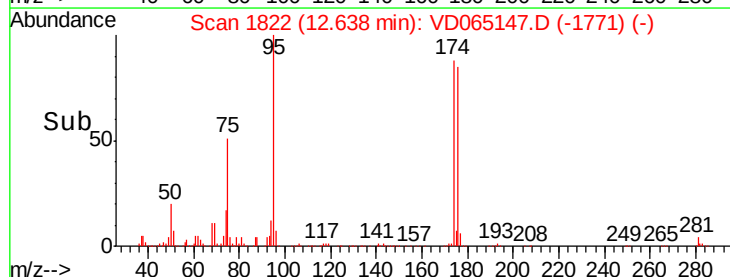
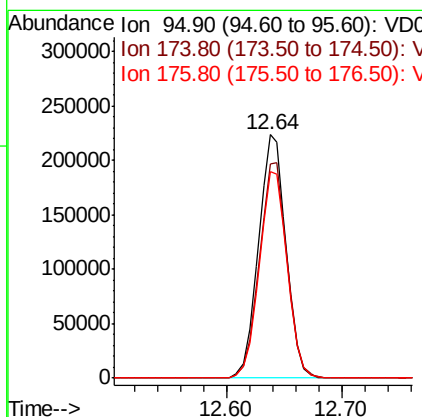
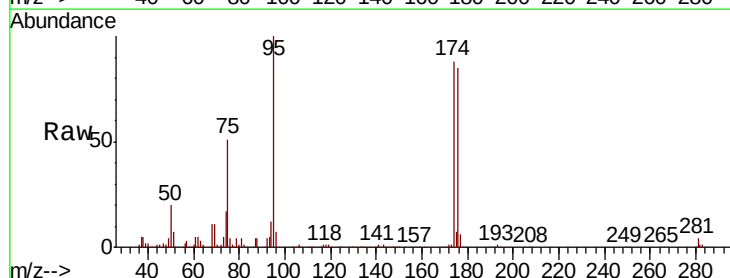
Instrument :
MSVOA_D
ClientSampleId :

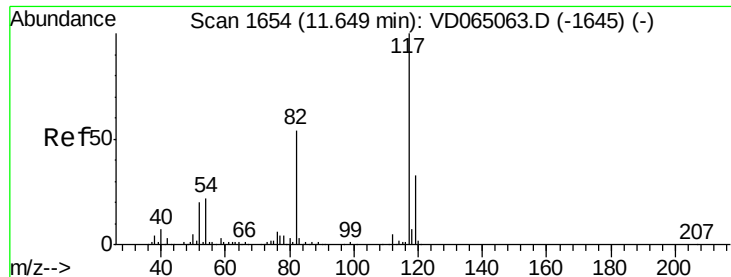
Tot Ion: 98 Resp: 982707
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 66.345 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065147.D
Acq: 11 Feb 2020 16:37

Tgt Ion: 95 Resp: 370263
Ion Ratio Lower Upper
95 100
174 89.9 0.0 180.0
176 86.1 0.0 173.2

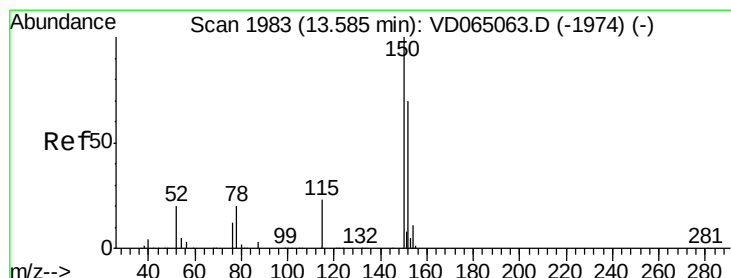
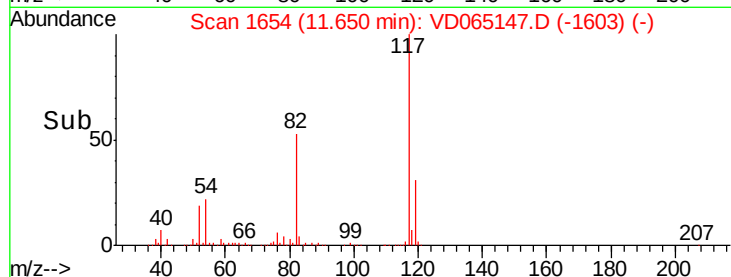
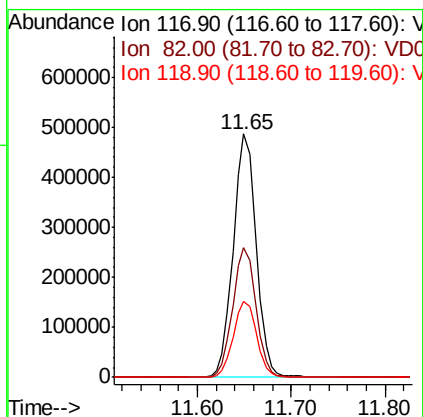
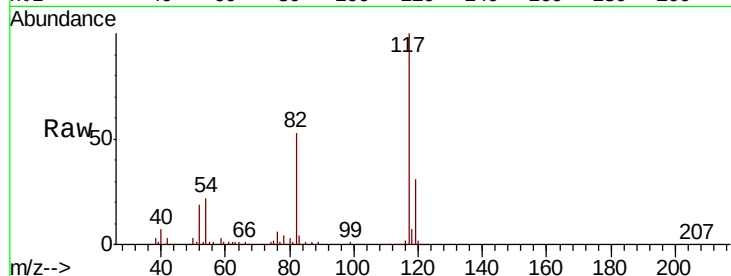




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065147.D
Acq: 11 Feb 2020 16:37

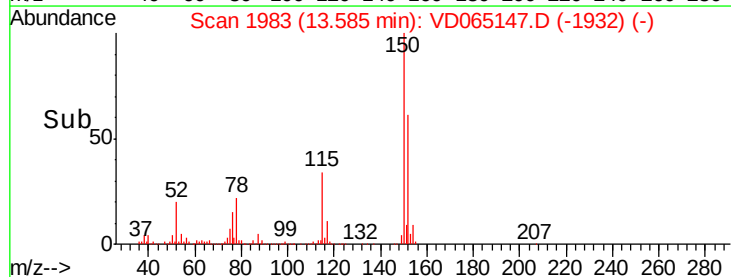
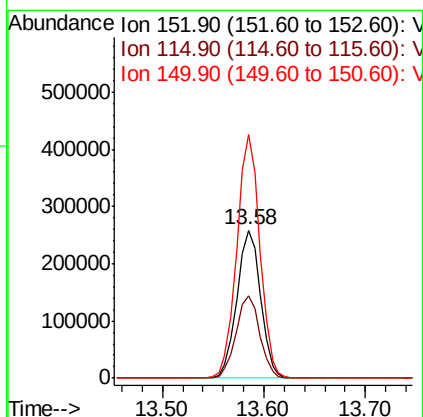
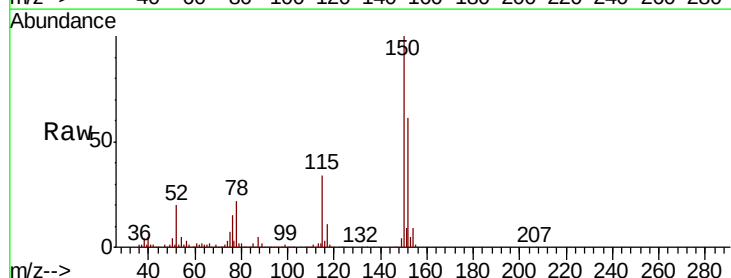
Instrument :
MSVOA_D
ClientSampleId :

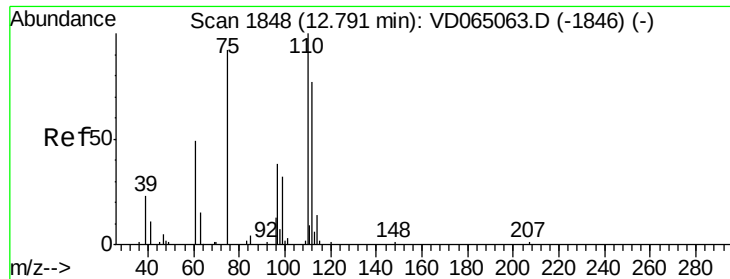
Tot Ion:117 Resp: 827499
Ion Ratio Lower Upper
117 100
82 53.1 43.1 64.7
119 31.0 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065147.D
Acq: 11 Feb 2020 16:37

Tgt Ion:152 Resp: 418588
Ion Ratio Lower Upper
152 100
115 56.0 27.5 82.4
150 159.8 0.0 343.2





#76

1,2,3-Trichloropropane

Concen: 59.191 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065147.D

Acq: 11 Feb 2020 16:37

Instrument :

MSVOA_D

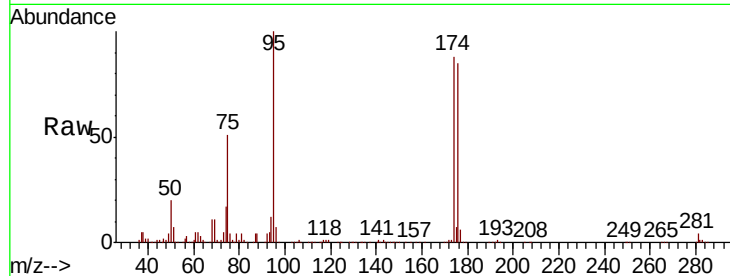
ClientSampleId :

Tot Ion: 75 Resp: 187586

Ion Ratio Lower Upper

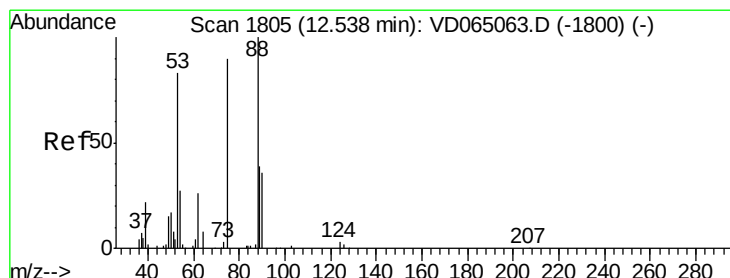
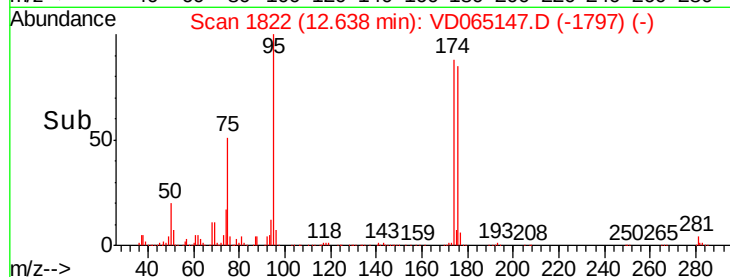
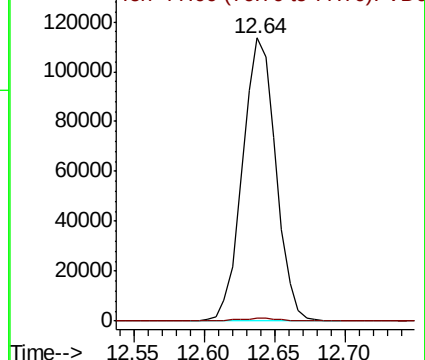
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 118.378 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065147.D

Acq: 11 Feb 2020 16:37

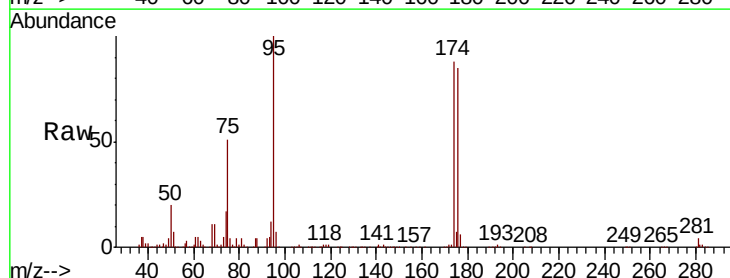
Tgt Ion: 75 Resp: 187586

Ion Ratio Lower Upper

75 100

53 0.2 78.5 117.7#

89 0.0 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

